|  |  |  |  |
| --- | --- | --- | --- |
| |  |  | | --- | --- | | Uncertainty | http://www.studyzone.org/testprep/math4/d/probability.jpg | | http://www.studyzone.org/testprep/math4/d/harley_motorcycle_lights_onoff_md_wht.gif | |

Probability is the chance that an event will happen.  A number written as a fraction can be used to describe probability.

|  |  |  |
| --- | --- | --- |
| **Probability** | **=** | number of ways the event happens |
| number of ways all events can happen |

Example 1: The spinner has four equally likely outcomes: 1,2,3,4.

|  |  |  |
| --- | --- | --- |
| http://www.studyzone.org/testprep/math4/d/spinner.gif | Probability of landing on the number 4 | 1/4   Read: 1 out of 4 |

Example 2: The spinner has two equally likely outcomes: blue and white.

|  |  |  |
| --- | --- | --- |
| http://www.studyzone.org/testprep/math4/d/circle_copy.gif | Probability of landing on the color blue | 1/2 Read: 1 out of 2 |

|  |  |
| --- | --- |
| Remember:  http://www.studyzone.org/testprep/math4/d/book_worm_closeup_blink_sm_wht.gif | List all the outcomes possible. |
| Record the probability as a fraction. |

http://www.studyzone.org/testprep/math4/d/gridbar.jpg